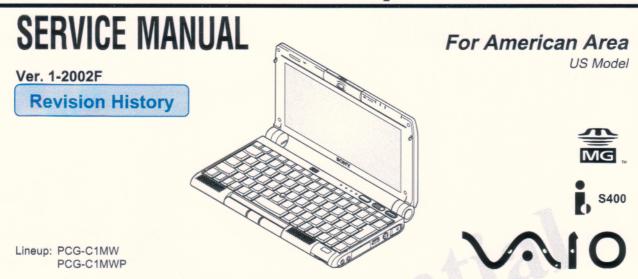
PCG-C1MW/C1MWP



 Design and specifications are subject to change without notice.



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<u>Caution Markings for Lithium/Ion Battery</u> - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly.

Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must bi avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

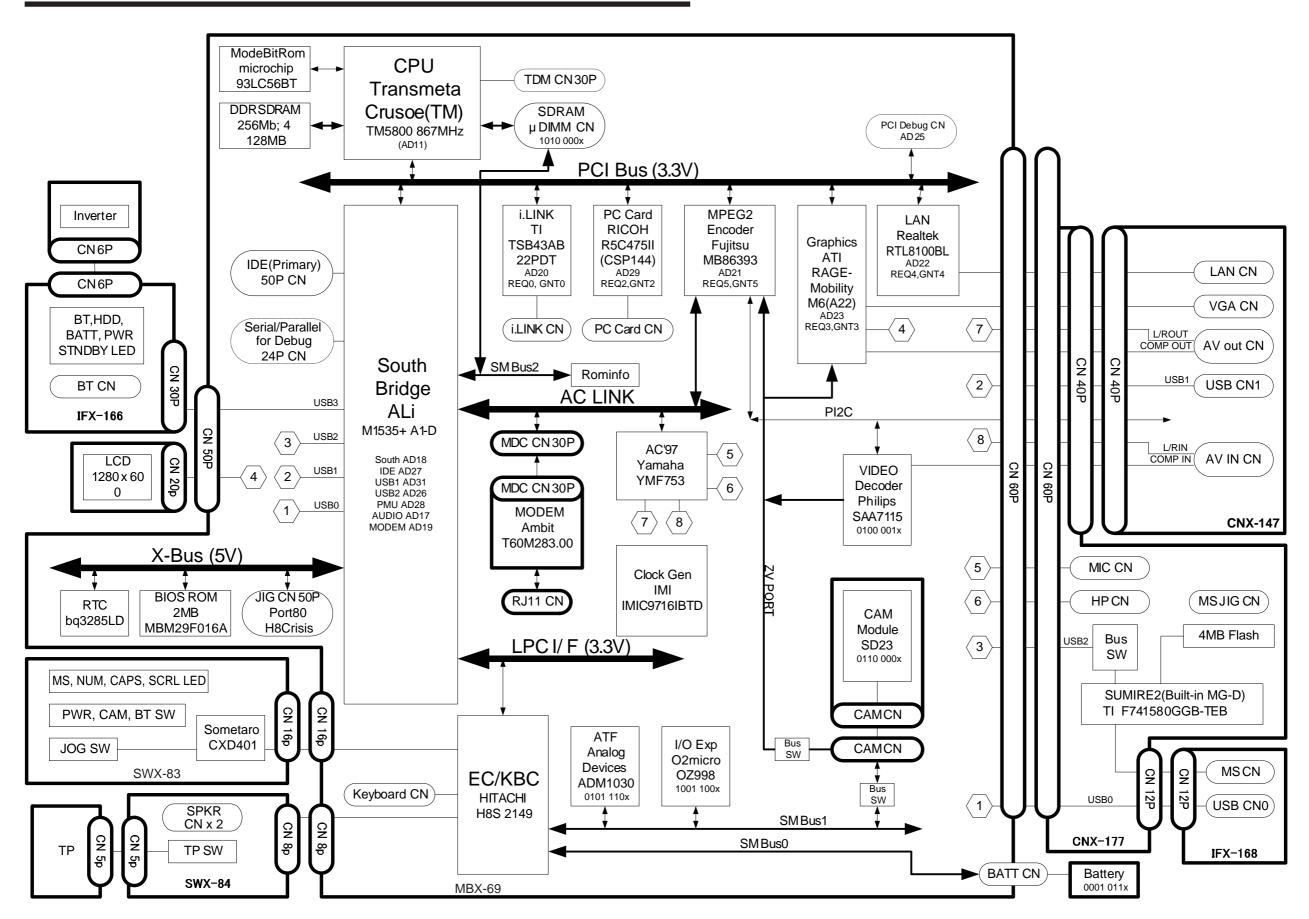
Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

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3-2. LCD Sectio	n	3-3
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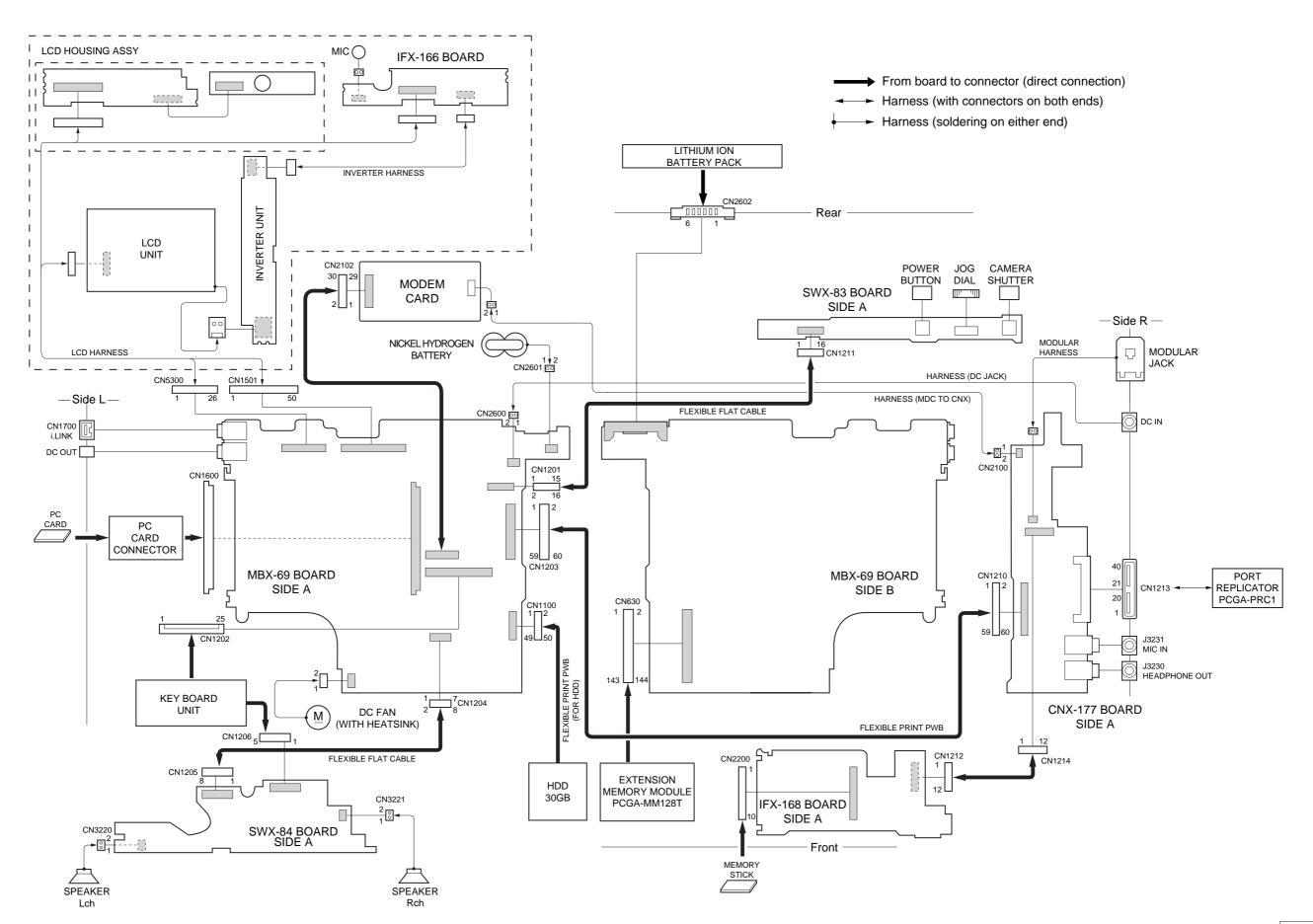
History of the changes is shown as the "Revision History" at the end of this data.

CHAPTER 1. BLOCK DIAGRAM



CHAPTER 2.

FRAME HARNESS DIAGRAM



CHAPTER 3.

Ref.No. Part No.

4-655-327-01

1-544-951-11

4-643-073-11

4-641-838-01

A-8067-402-A

1-823-467-11

4-655-318-01

X-4623-996-2

X-4623-814-7

4-655-346-01

Description

LOUD SPEAKER

CUSHION (SP)

WINDOW, MS

BUTTON, POWER

RETAINER, SPEAKER

MOUNTED PWB SWX-84

SHEET (SPEAKER), ADHESIVE

CABLE, FLEXIBLE FLAT 8P

ESCUTCHEON (MS) SUB ASSY

SUB ASSY PALMREST (B)

EXPLODED VIEWS AND PARTS LIST

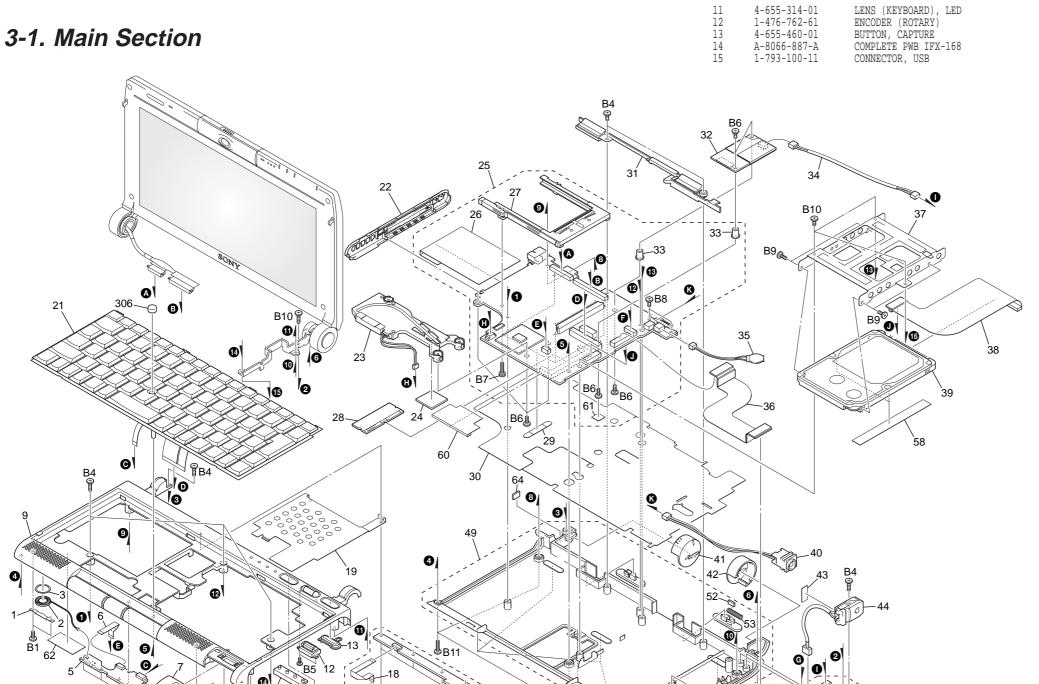
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- When the same reference numbers are written down in the list, please use the one listed in the first place as the main

The components identified by mark ${\ensuremath{\mathbb \Delta}}$ or dotted line with mark riangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque

Ne les remplacer que par une pièce portant le numéro spécifié.



17

₿B3

B1₫

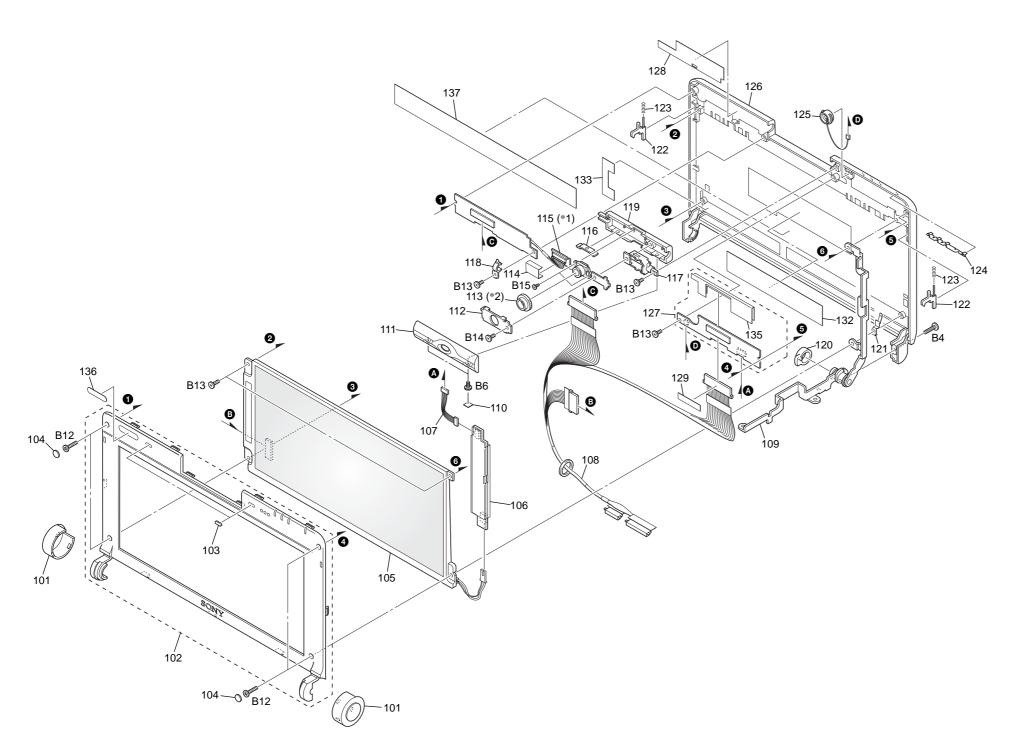
16	1-823-465-11	FFC 12P
17 18 * 19 21	A-8067-126-A 1-823-466-11 4-656-219-01 1-476-912-42	SWX-83 NON-BT ASSY (S) CABLE, FLEXIBLE FLAT 16P HEAT SINK KEYBOARD UNIT (US)
22 23 24 25 26	X-4623-997-1 1-763-741-11 4-654-350-01 A-8067-483-A 4-655-344-02	ESCUTCHEON (L) SUB ASSY FAN, DC (WITH HEAT SINK) SHEET (CPU), THERMAL MBX-69 2290U ASSY (S) SHEET (PC CARD), INSULATING
29	1-793-637-31 6-701-830-01 4-658-557-01 4-655-345-01 4-655-333-02	CONNECTOR, PC CARD (EJECTOR) IC M463S1654CT1-L7A SHEET (FAN), INSULATING SHEET (BOTTOM), INSULATING COVER, BATTERY CONNECTOR
34	1-761-457-11 4-655-326-01 1-961-397-11 1-468-624-11 1-761-449-11	CARD, MODEM OFF, STAND HARNESS (MDC TO CNX) BATTERY, VANADIUM-LITHIUM PWB, FLEXIBLE PRINT
38 39	4-655-311-01 1-761-452-11 A-8059-344-A 1-961-370-11 4-643-040-11	BRACKET, HDD PWB, FLEXIBLE PRINT (FOR HDD) ASSY HDD 30GB (T, 20, F) (S) HARNESS (DC POWER) COVER (L), MAIN
42 43 44 45 46	4-643-041-11 4-658-021-01 1-961-414-11 A-8067-232-A 1-694-760-21	COVER (R), MAIN SHEET (MODULAR), INSULATING HARNESS (MODEM) COMPLETE PWB CNX-177 JACK, SMALL TYPE (HEAD PHONE)
47 48 49 52 53	1-694-760-31 X-4623-882-2 X-4623-815-2 4-636-934-01 4-635-956-01	JACK, SMALL TYPE (MIC) ESCUTCHEON (R) SUB ASSY CABINET SUB ASSY, BOTTOM SPACER (SPRING) SPRING (B), COMPRESSION COIL
58	4-650-469-01 4-655-339-01 4-659-658-01 4-659-659-01 4-659-656-02	FOOT LID, MEMORY CUSHION (HDD) GASKET (IFX) SHEET (MBX), INSULATING
61 62 63 64 65	4-659-657-01 4-659-774-01 4-659-683-02 4-645-941-11 4-661-192-02	CUSHION (MDC) CUSHION (FAN) SHEET (MS), BLIND GASKET (RING) GASKET (SPEAKER)
B1 B2 B3 B4 B5	4-639-112-31 4-657-192-01 4-645-214-01 4-645-214-21 3-930-461-11	SCREW M2X4 SCREW, TAPPING, SPECIAL (2X3) GRIP, M2 (2X3) GRIP, M2 (2X5.5) SCREW (DIA. 1.4X3.5), PRECISION
B6 B7 B8 B9 B10	4-656-239-01 7-628-253-35 4-641-726-61 4-635-301-01 4-659-702-01	M2 SCREW (2X3) SCREW +PS 2X8 SCREW (M2), SPECIAL HEAD (2X5) SCREW M3X4 SCREW (M2 (EG)), +PS (2X4)
B11	4-644-637-21	GRIP, M2 EG (2X7)

Description

Ref.No. Part No.

3-1 3-2 PCG-C1MW/C1MWP (AM)

3-2. LCD Section

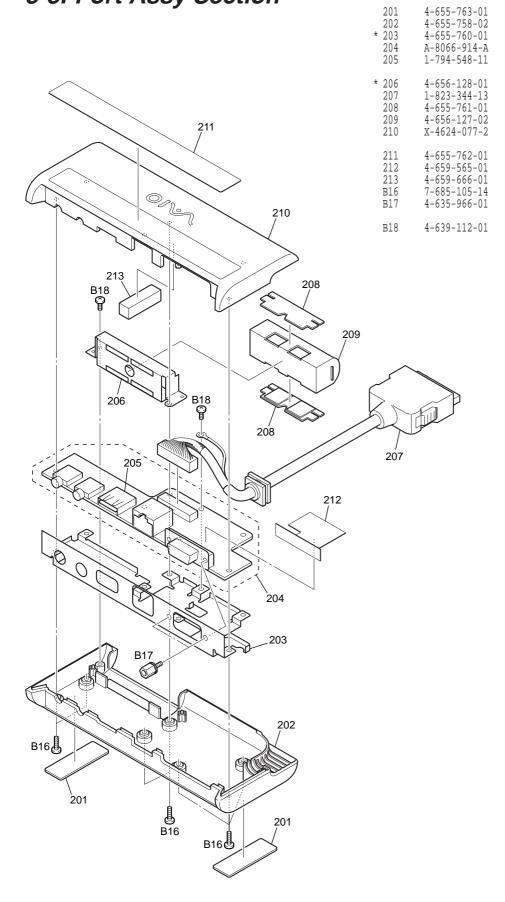


Ref.No.	Part No.	Description
102 103 104	X-4623-818-2 X-4623-812-3 4-646-976-11 4-643-078-11 A-8067-128-A	COVER SUB ASSY, HINGE BEZEL SUB ASSY (B), LCD CUSHION (LATCH) RUBBER (UNDER), BLIND LCD 8.9WSXGA ASSY (S)
106 107 108 109 110	1-476-913-11 1-961-294-11 1-961-422-12 4-655-335-01 4-655-343-01	INVERTER UNIT INVERTER HARNESS (6PIN) LCD HARNESS HINGE (L) PLATE (CAMERA), ORNAMENTAL
112	X-4623-813-1 4-655-341-01 4-655-336-01 4-656-886-01 A-8067-127-A	COVER SUB ASSY, CAMERA HOLDER, RING RING, FOCUS SHEET (CAMERA), PROTECTION CCD BCX-SD23 ASSY (S)
116 117 118 119	4-655-347-01 4-655-334-01 4-655-445-01 4-655-323-01 4-655-330-02	HINGE (C) BEARING (C) CABINET, CAMERA
124	4-656-052-01 4-655-340-01 4-656-237-01 4-655-316-13 1-542-472-11	PLATE (SMALL), GROUND LATCH SPRING, COMPRESSION LENS (HOUSING), LED MICROPHONE, ELECTRET CONDENSER
127 128 129	X-4623-816-5 A-8067-124-A 4-660-539-01 4-661-726-02 4-659-134-01	HOUSING SUB ASSY (B) IFX-166 NON-BT ASSY (S) SHEET (CAMERA), ESD SHEET (KEL), ADHESIVE CUSHION (HOUSING)
135 136 136	4-659-655-01 4-659-652-03 4-663-885-01 4-663-885-11 4-667-078-01	SHEET (EMI), HINGE SHEET (IFX-166), INSULATING (C1MW)LABEL (ID) (C1MWP)LABEL (ID) SHEET, LCD
B12	4-645-214-21 4-656-239-01 4-653-582-21 4-653-582-31 4-645-497-21	GRIP, M2 (2X5.5) M2 SCREW (2X3) SCREW M2 (NE) (2X6) SCREW M2 (NE) (2X4) SCREW (M2.6),CROSS (HOLE) BIND
B15	3-318-382-31	SCREW (1.7X3), TAPPING

3-3 3-4 PCG-C1MW/C1MWP (AM)

^{*1} Do not dismantle the CCD BCX-SD23 assy (Ref. 115).
 For example, removing the connector.
*2 When mounting the focus ring (Ref. 113), align markings of camera (side of gear) and groove of focus ring.
 If disintegrated, do not turn focus ring (Ref. 113).
 Focus adjustment is off.

3-3. Port Assy Section



Ref.No. Part No.

Description

FOOT, RUBBER

BRACKET

GASKET

SCREW (HEX)

SCREW M2X4

CABINET (LOWER)

PLATE, CONNECTOR

CABLE, I/F HOLDER, CONNECTOR

ESCUTCHEON (CONNECTOR)

CABINET (UPPER) SUB ASSY

LABEL, CONNECTOR SHEET (PORT REPLICATOR)

TAPPING +P 2X8 NON-SLIT

COMPLETE PWB CNX-147 CONNECTOR, USB (A)

3-5

3-4. Accessories

Power Cord



AV Connecting Cable



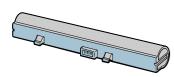
306 **Spare Cap** (for Stick)

0 0

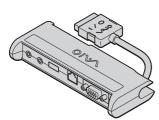
307 **AC Adaptor**



308 **Battery Pack**



Port Replicator *Refer to "3-3. Port Assy Section"



312 i Link Connecting Cable



313 Clamp



314 **Stand**

3-6



315 CD-RW/DVD-ROM Drive (PCGA-CRWD2)



* The CD-RW/DVD-ROM Drive itself does not have the Part No. Refer to the PCGA-CRWD2 Service manual (9-874-

Because only the 312 i Link Connection Card is required for connection with a computer, the Following parts are not supplied with the CD-RW/DVD-ROM drive.

1-476-940-21 ADAPTOR, AC 1-757-562-31 CORD, POWER 1-790-763-21 CORD, CONNECTION 4-663-161-11 MANUAL, INSTRUCTION 4-663-751-11 MANUAL, INSTRUCTION (FIRST) Ref.No. Part No. Description ACCESSORIES ******

∆ 301 303 306 ∆ 307 308	1-757-562-31 1-757-673-12 4-655-329-01 1-476-942-31 A-8067-449-A	CORD, POWER CORD, CONNECTION CAP (IN BAG), SENSOR ADAPTOR, AC BP51A/L (U) ASSY (S)
309 312 313 314	1-823-439-11 4-657-363-01 X-4625-087-1	PORT ASSY CORD, I LINK CONNECTION CLAMP STAND ASSY
	4-665-258-01	QUICK START, 2290U
		LOOK AT EXPLODED VIEWS OF THE PART

PCGA-CRWD2

315

The components identified by mark $\boldsymbol{\pitchfork}$ or dotted line with mark ${\mathbin{\triangle}}$ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque

3-7 (END)

Ne les remplacer que par une pièce portant le numéro spécifié.

PCG-C1MW/C1MWP (AM)



List of PCG-C1 Series for American Area (As of June, 2002)

Model	Service Manual Parts No.
PCG-C1XS	9-872-053-11
PCG-C1VN	9-872-126-11
PCG-C1VP PCG-C1VPK	9-874-422-11
PCG-C1MV PCG-C1MV/M PCG-C1MVP PCG-C1MVP/M	9-874-449-01
PCG-C1MW PCG-C1MWP	9-874-577-01

: Additional Model

American Area: North, Central and South Americas

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2002.06.24	First Edition	
_				
<remarks></remarks>				